

Appln No. 10/815,641
Amdt. Dated February 10, 2006
Response to Office Action of December 19, 2005

17

RECEIVED
CENTRAL FAX CENTER

FEB 10 2006

(b) generates, from the received indicating data, object identity data indicative of the identity of the object; ~~and, and at least one of:~~

- (i) object identity data indicative of the identity of the object; and,
- (ii) position data indicative of at least one of:
 - (1) the position of the sensed coded data portion;
 - (2) the position of the sensing device relative to the interface surface;
 - (3) the orientation of the sensed coded data; and,
 - (4) the orientation of the sensing device relative to the interface surface; and

(c) generates, using the object identity data and the position data, orientation data indicative of the orientation of the object; and,

(d) packs the object using the object identity-orientation data.

39) (Original) The system of claim 38, wherein packing system includes:

- (a) an input for receiving the indicating data;
- (b) one or more manipulators for manipulating the object; and,
- (c) a controller for controlling the manipulators, to thereby pack the object.

40) (Original) The system of claim 38, wherein the packing is adapted to perform the method of claim 13.

41) (Currently amended) A system for packing a object, the object having an interface surface having coded data disposed thereon or therein, wherein the coded data includes a plurality of coded data portions provided at respective positions on the interface surface, each coded data portion being indicative of an identity of the object and the position of the coded data portion on the interface surface, wherein the system includes a computer system which:

- (a) receives, from a sensing device, indicating data generated in response to sensing of a coded data portion, the indicating data being indicative of the object identity;
- (b) generates, from the received indicating data, object identity data indicative of the identity of the object; ~~and, and at least one of:~~
 - (1) a position of the sensed coded data portion;
 - (2) a position of the sensing device relative to the interface surface;
 - (3) an orientation of the sensed coded data; and,

BEST AVAILABLE COPY

Appln No. 10/815,641
Amdt. Dated February 10, 2006
Response to Office Action of December 19, 2005

18

- (4) an orientation of the sensing device relative to the interface surface; and
- (c) causes, using the object identity data, ~~a packing system to pack the object at least one~~
of:
- (1) a packing system which is responsive to the indicating data to pack the object;
 - (2) a computer system which is responsive to the indicating data to cause a packing system to pack the object; and
 - (3) a packing system which is responsive to the indicating data to determine the orientation of the object.

42) (Original) The system of claim 41, wherein the computer system is adapted to perform the method of claim 22.

43) (Original) The system of any one of claims 34, 38 and 41, wherein the packing system includes a computer system.

44) (Original) The system of any one of claims 34, 38 and 41, wherein the packing system communicates with a remote computer system.